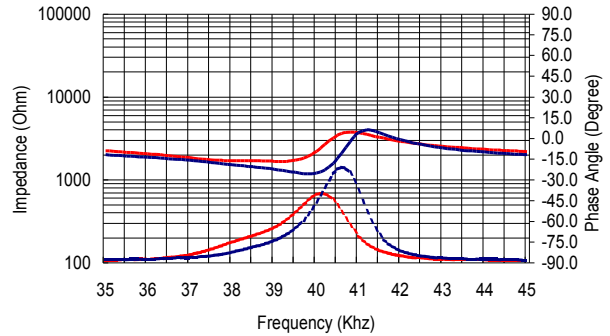




**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level

400SR100 Impedance ————  
 400SR100 Phase - - - - -  
 400ST100 Impedance ————  
 400ST100 Phase - - - - -



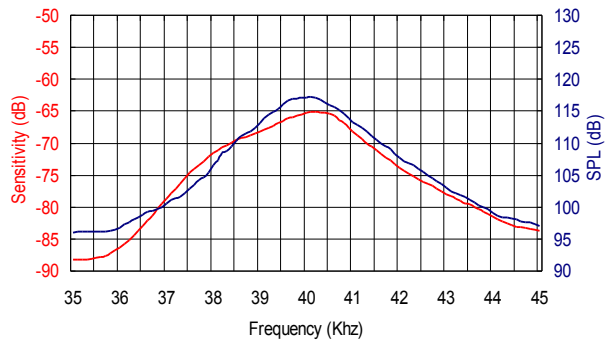
**Specification**

400ST100	Transmitter
400SR100	Receiver
Center Frequency	40.0±1.0KHz
Bandwidth (-6dB)	400ST10P 2.5KHz 400SR10P 3.0KHz
Transmitting Sound Pressure Level at 40.0KHz; 0dB re 0.0002µbar per 10Vrms at 30cm	112dB min.
Receiving Sensitivity at 40.0KHz 0dB = 1 volt/µbar	-67dB min.
Capacitance at 1KHz ±20%	1900 pF
Max. Driving Voltage (cont.)	10Vrms
Total Beam Angle -6dB	72° typical
Operation Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C

All specification taken typical at 25°C  
 Closer frequency tolerance can be supplied upon request.

**Sensitivity/Sound Pressure Level**

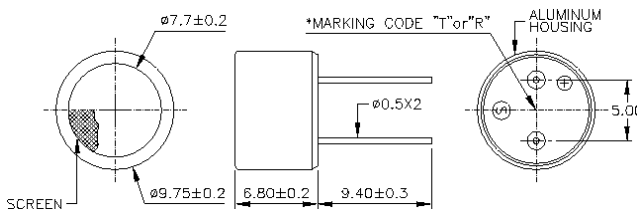
Tested under 10Vrms @30cm



Model available:

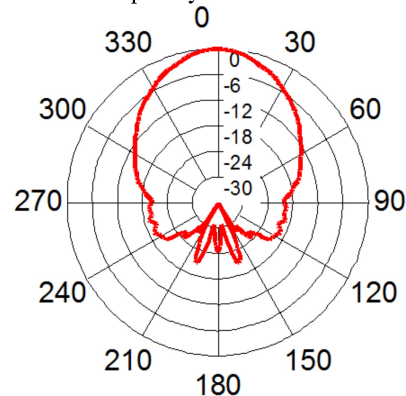
1	400ST/R100	Aluminum Housing
2	400ST/R10P	Plastic Housing

**Dimensions:** Dimensions are in mm



**Beam Angle**

Tested at 40.0KHz frequency

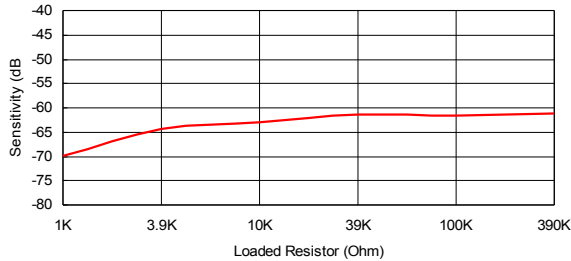


**S. Square Enterprise Company Limited**  
**Pro-Wave Electronics Corporation**

[Http://www.pro-wave.com.tw](http://www.pro-wave.com.tw) ; E-mail: [sales@pro-wave.com.tw](mailto:sales@pro-wave.com.tw) ; Tel: 886-2-22465101 ; Fax: 886-2-22465105

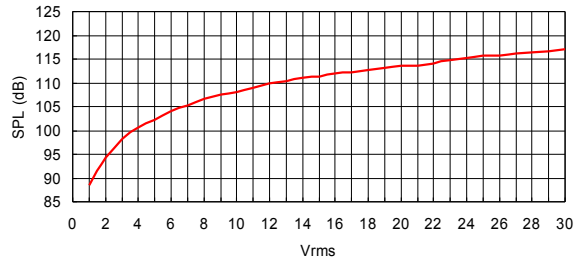
**400SR100 Receiver**

**Sensitivity Variation vs. Loaded Resistor**

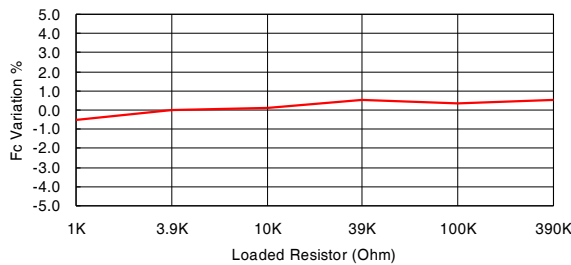


**400ST100 Transmitter**

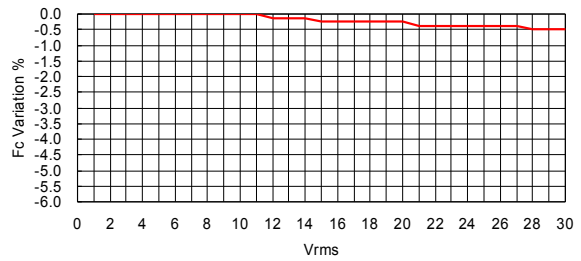
**SPL Variation vs. Driving Voltage**



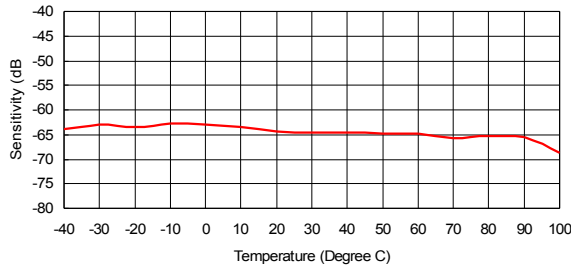
**Center Frequency Shift vs. Loaded Resistor**



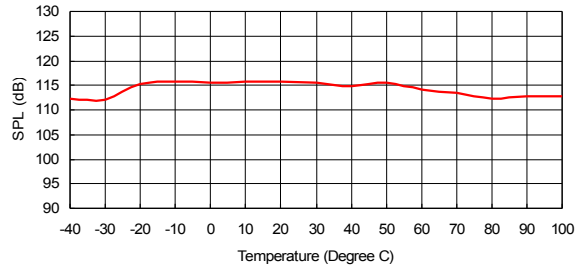
**Center Frequency Shift vs. Driving Voltage**



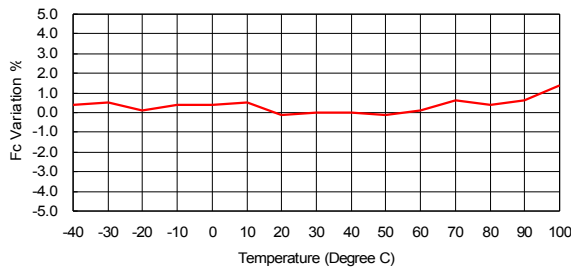
**Sensitivity Variation vs. Temperature**



**SPL Variation vs. Temperature**



**Center Frequency Shift vs. Temperature**



**Center Frequency Shift vs. Temperature**

